

# Application Note

AN #: 521D

DATE: 21-Jun-06

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PYRAMID MODEL #: 2012 / 3012 / 2017 Merlin / 2016

RADIO MODEL: Kenwood TK-760G/762G mobile

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Order the Pyramid 2012 TK-x60G interface cable Part # 7512-10-1044

Order the Pyramid 2017/3012 TK-x60G interface cable Part # 7522-10-1044

Order the Pyramid 2016 TK-x60G interface cable Part # 7532-10-1044

Connections:	Pyramid	Function	Radio	
	Black/Shield	Ground	KCT-19 Pin 6	
	White	Tx Audio Out	KCT-19 Pin 9	
	Blue	On Air Detect	KCT-19 Pin 15	* see note 3
	Green	PTT Out	KCT-19 Pin 8	
	Red	Switched B+	KCT-19 Pin 7	
	Yellow	Rx Audio In	KCT-19 Pin 4	
	Violet	COR	KCT-19 Pin 11	* see note 1
	Brown	Audio Mute	N/C	
	Grey	Mic Mute / Chan Chng	KCT-19 Pin 1	* see note 4

2012/Merlin J1 [Out] TX audio level

Jumpers: J2 [Out] PTT loop back

2016 J1 [Out] PTT loop back

Jumpers: J2 [Out] TX audio level

Pyramid Mobile COR Polarity: Low  
Program: Mobile Type: Conv  
On-Air Polarity: High  
I/O Pin 9 Change

Additional Modifications (2012/2016/Merlin): None.

## Additional Modifications (Radio):

1. Remove the **grey** wire of the KCT-19 CN4. Jumper this wire to the side R103 that is connected to Pin 7 of IC9.  
\* See Page 71 in TK-x60 Service Manual for details on part location. If you are not using CTCSS/DCS decode on the mobile, do not preform this modification.
2. Remove the Brown/White wire from the KCT-19 CN-5 Pin 3. Jumper this wire to CN6 pin 3 (8TC).
3. From the **Edit** pull down menu in the Kenwood KPG-59D programming software, select the **Optional Features** menu. From this menu set **Data TX with QT/DQT = Yes**.
4. From the **Edit** pull down menu in the Kenwood KPG-59D programming software, select the **Optional Features** menu. From this menu set **ACC Hook/CHS = CHS**.

Revision Number \_\_\_\_\_

Date \_\_\_\_\_

Approval Initials \_\_\_\_\_